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Pocket No. 255259US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Martin VOLLAND, et al.

SERIAL NO: 10/500,145

GAU:

FILED: July 9, 2004

EXAMINER:

FOR: SEPARATION OF ACIDS FROM CHEMICAL REACTION MIXTURES BY MEANS OF IONIC LIQUIDS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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MAIER & NEUSTADT, P.C.

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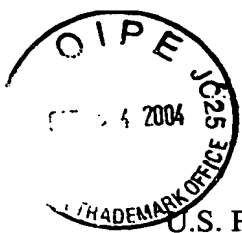
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U.S. PCT Application Serial No.: 10/500,145
Docket No.: 255259US0PCT

STATEMENT OF RELEVANCY

- 1) References AA & AAB-AAD have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References _____ have been cited in the corresponding _____ Search Report. A copy of these references is being submitted herewith.
- 3) References AB-AAA & AAE-BAD are discussed in the specification. A copy of these references is being submitted here with.
- 4) References _____ are additional prior art known to Applicant. A copy of these references is being submitted herewith.



Form PTO 1446 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 255259US0PCT		SERIAL NO. 10/500,145	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Martin VOLLAND, et al.			
				FILING DATE July 9, 2004		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5 710 344	01/20/98	Patrick M. BURKE, et al.			
	AB	3 903 120	09/02/75	Howard E. SHOOK, Jr., et al.			
	AC	5 523 453	06/04/96	Anne I. BREIKSS			
	AD	5 981 772	11/09/99	Thomas FOO, et al.			
	AE	6 127 567	10/03/00	James Michael GARNER, et al.			
	AF	5 693 843	12/02/97	Anne Irisa BREIKSS, et al.			
	AG	5 847 191	12/08/98	Emilio Enrique BUNEL, et al			
	AH	3 773 809	11/20/73	Jack William WALTER			
	AI	6 171 996	01/09/01	James Michael GARNER, et al.			
	AJ	6 380 421	04/30/02	Helen S. M. LU, et al.			
	AK	5 488 129	01/30/96	Marc HUSER, et al.			
	AL	5 856 555	01/05/99	Marc HUSER, et al.			
	AM	5 723 641	03/03/98	Wilson TAM, et al.			
	AN	5 512 696	04/30/96	Kristina A. KREUTZER, et al.			
	AO	5 821 378	10/13/98	Thomas FOO, et al.			
	AP	5 512 695	04/30/96	Kristina A. KREUTZER, et al.			
	AQ	6 020 516	02/01/00	Thomas FOO, et al.			
	AR	5 959 135	09/28/99	James Michael GARNER, et al.			
	AS	4 668 651	05/26/87	Ernst BILLIG, et al.			
	AT	4 748 261	05/31/88	Ernst BILLIG, et al.			
	AU	4 769 498	09/06/88	Ernst BILLIG, et al.			
	AV	4 885 401	12/05/89	Ernst BILLIG, et al.			
	AW	5 235 113	08/10/93	Keiichi SATO, et al.			
	AX	5 391 801	02/21/95	Keiichi SATO, et al.			
	AY	5 663 403	09/02/97	Keiichi SATO, et al.			
	AZ	5 728 861	03/17/98	Keiichi SATO, et al.			
	AAA	6 172 267	01/09/01	Hisao URATA, et al.			
					<input checked="" type="checkbox"/> Additional References sheet(s) attached		
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 255259US0PCT		SERIAL NO. 10/500,145	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Martin VOLLAND, et al.			
				FILING DATE July 9, 2004		GROUP	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AAB	1 142 898	10/10/01	EP(equivalent of US 6437164)		NO	
	AAC	198 26 936	12/23/99	DE(equivalent of WO 00/14072)		NO	
	AAD	197 24 884	12/17/98	DE(equivalent of US 6410744)		NO	
	AAE	35 02 106	07/24/86	DE(equivalent of US 4851550)		NO	
	AAF	181 078	05/14/86	EP		NO	
	AAG	01/14392	03/01/01	WO		NO	
	AAH	99/13983	03/25/99	WO(equivalent of US 6242633)		NO	
	AAI	99/64155	12/16/99	WO(equivalent of US 6521778)		NO	
	AAJ	99/46044	09/16/99	WO(equivalent of US 6440891)		NO	
	AAK	98/27054	06/25/98	WO(equivalent of US 6197992)		NO	
	AAL	100 46 025	03/28/02	DE(with English abstract)		NO	
	AAM	101 56 292	05/28/03	DE(with English abstract)		NO	
	AAN	101 50 281	04/30/03	DE		NO	
	AAO	101 50 285	04/17/03	DE(with English abstract)		NO	
	AAP	101 50 286	04/17/03	DE(with English abstract)		NO	
	AAQ	101 48 712	04/17/03	DE(with English abstract)		NO	
	AAR	32 48 483	05/07/84	DE(equivalent of US 4536351)		NO	
	AAS	838 447	04/29/98	EP		NO	
	AAT	02/83695	10/24/02	WO(with English abstract)		NO	
	AAU	2002-47294	02/12/02	JP(English abstract only)		NO	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAV	Holleman-Wiberg, Lehrbuch der Anorganischen Chemie, 91.-100., Auflage, Walter de Gruyter, Berlin, New York 1985, S. 235 bzw 239					
	AAW	George A. OLAH, Friedel-Crafts and Related Reactions, vol. 1, 191 bis 197, 201 & 284-90 1963					
	AAX	C. REICHARDT, Solvent Effects in Organic Chemistry, Weinheim: VCH, 1979,-XI (Monographs in Modern Chemistry; 3) ISBN 3-527-25793-4, S. 241					
	AAY	Julian CHOJNOWSKI, et al., "The extension of the mechanistic concept of the nucleophilic catalysis in the silicon chemistry to some reactions of the P(III) center: analogies between silylation and phosphorylation", HETEROATOM CHEMISTRY, vol. 2, no. 1, pages 63-70 1991					
	AAZ	Jerry MARCH, Advanced Organic Chemistry, 3 rd Edition, John Wiley and Sons, New York 1985, S. 294,334,347					
	BAA	William T. DYE, "The removal of Aluminum chloride from friedel-crafts mixtures containing water-labile phosphorus halides", J. AM. CHEM. SOC., vol. 70, pages 2595-2596 1948					
	BAB	E. I. GEFTER, ZH. OBSHCH. KHIM; vol. 28, pages 1398-1399 1958					
	BAC	Kenneth R. SEDDON, "Ionic liquids for clean technology", J.CHEM.TECH. BIOTECHNOL., vol. 68, pages 351-356 1997					
	BAD	Saskia C. van der SLOT, et al., ORGANOMETALLICS, vol. 21, pages 3873-3883 2002					<input type="checkbox"/> Additional References sheet(s) attached
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							